

Name: \_\_\_\_\_

Heatherwood Mathletes  
Warm-up Exercises: Orange and Green Belts  
January 29, 2004

**Mixed Addition and Subtraction of Decimals**

$$\begin{array}{r} 3.40 \\ + 1.90 \\ \hline \end{array}$$

$$\begin{array}{r} 5.81 \\ - 2.51 \\ \hline \end{array}$$

$$\begin{array}{r} 7.86 \\ + 5.55 \\ \hline \end{array}$$

$$\begin{array}{r} 9.44 \\ - 4.85 \\ \hline \end{array}$$

**Multiplication**

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times 18 \\ \hline \end{array}$$

**Division**

$$24/4 =$$

$$\frac{60}{5} =$$

$$44 \div 6 =$$

**Fractions**

$$\frac{1}{4} + \frac{1}{3} =$$

$$\frac{2}{3} - \frac{1}{4} =$$

$$\frac{2}{5} \times \frac{5}{7} =$$

$$\frac{1/4}{1/3} =$$

$$\frac{2}{3} \div \frac{1}{4} =$$

$$1\frac{1}{2} \div \frac{1}{4} =$$

**Putting Fractions in Simplest Terms (example:  $2/4 = 1/2$ )**

$$\frac{3}{6} =$$

$$\frac{10}{15} =$$

$$\frac{12}{30} =$$

**Solve for x**

$$x - 6 = 15$$

$$6x - 8 = 10$$

$$6x - 5 = 14$$

$$2(x - 2) = 16$$

$$2(x - 2) + 4 = 16$$

$$2(x - 2) + x = 16$$

**Write as Equations, Then Solve**

**Problem 1.** What is the number that when you multiply it by 11 and add 32 you get 87?

(a) Write the equation for this problem.

(b) Now solve it.

**Problem 2.** What is the number that when you add 5, multiply the result by 10 and then subtract 10 you get 30?

(a) Write the equation for this problem.

(b) Now solve it.